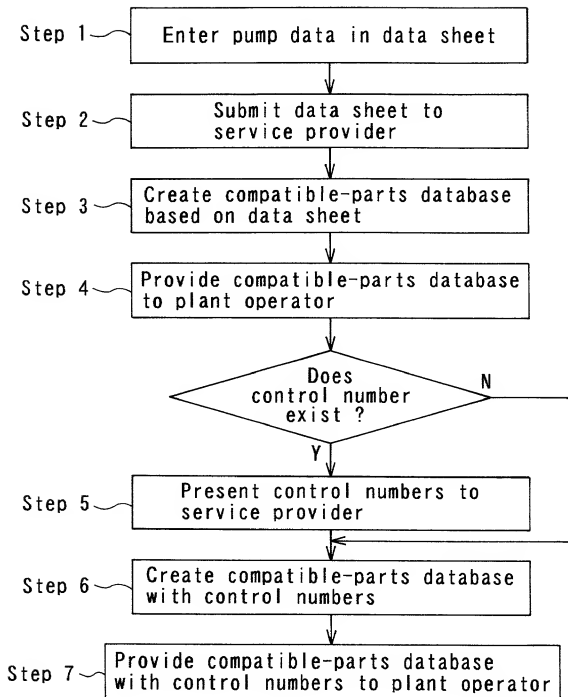


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FIG. 1



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FIG. 2

Plant name	Pump name	Equipment number	Serial number	Size/model		Numbering of the pump	Specifications			Year	Comments
				Model name	Series		Flow rate	Head	Rotational speed		
1GT	WASTE SOLVENT PUMP	P-0404-C	197523	100LUSN		1/1	64M ³ /H		3500min-1	3.7kW	1983
1GT	LOW PRESSURE FLUSE	P-0502-A	R80056-02	100x801FMM		1/2	100M ³ /H	90M	3550min-1	3.7kW	1983
1GT	LOW PRESSURE FLUSE	P-0502-B	R80056-02	100x801FMM		2/2	100M ³ /H	90M	3550min-1	3.7kW	1975
1GT	WASTE SOLVENT BUFF	P-0910-A	R600520-03	80x50LUSN	18145A	1/1	40M ³ /H	40M	3550min-1	11kW	1975
1GT	WASTE SOLVENT BUFF	P-0910-B	R600520-03	80x50LUSN	18145A	2/2	40M ³ /H	40M	3550min-1	11kW	1976
1GT	WASTE SOLVENT BUFF	P-0910-C	R600459	80x50LUSN	18145A	1/1	40M ³ /H	40M	3550min-1	11kW	1991
1GT	RW BOOSTER PUMP	P-1306-A	R600259	80x501FMM		1/1	70M ³ /H	50M	3550min-1	13.48kW	1990
1GT	RW BOOSTER PUMP	P-1306-B	RK21341	80x501FMM		1/1	70M ³ /H	50M	3550min-1	13.48kW	1983
1PET	PCW CIRCULATION PUMP	P-0401-A	RD1874-01	50x401FMM		1/2	35M ³ /H	50M	3550min-1	11kW	1983
1PET	PCW CIRCULATION PUMP	P-0401-B	RD1874-01	50x401FMM		2/2	35M ³ /H	50M	3550min-1	11kW	1983
1PET	CHW CIRCULATION PUMP	P-0921-A	RD1874-02	150x1001FMM		1/2	160M ³ /H	42M	3530min-1	37kW	1983
1PET	CHW CIRCULATION PUMP	P-0921-B	RD1874-02	150x1001FMM		2/2	160M ³ /H	42M	3530min-1	37kW	1983
1PET	CHW CIRCULATION PUMP	P-0921-C	E00001010	150x1001FMM		2/2	160M ³ /H	42M	3430min-1	37kW	1983
1PET	CONDENSATE PUMP	P-0931	RD1874-03	40x251FMM		1/1	8M ³ /H	30M	3490min-1	3.7kW	1983
1PET	WASTF		RD1874-04	40x251FMM		1/2	15M ³ /H	30M	3400min-1	3.7kW	1983
1PET						1/1	25M ³ /H	30M	3450min-1	5.5kW	
1PET						1/1	140L ³ /MIN		3550min-1		

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F / G. 3

Plant name	Equipment number	Pump name	Size/model	Serial number	Numbering of the pump	Number of the pumps	Part code	Part name	Material of the part	Number of the parts
P1	AL P-0201	E-201 SCRUBB'NG PUMP	50x40FSM	RJ18835-03	1/1	1	CIFS-3001	IST-1305-72	ST35C	1
	AL P-0401	T-401 SCRUBB'NG PUMP	50x40FSM	RJ18835-04	1/1	1	CIFS-3001	IST-1305-72	S35C	1
	3GT PP-0402-A	WASTE SOLVENT PUMP	100x80FSM	RK17872-10	1/2	1	CIFS-3077	IST-1405-72(Recommended)	SUS316	1
P2	3GT PP-0402-B	WASTE SOLVENT PUMP	100x80FSM	RK17872-10	2/2	1	CIFS-3077	IST-1405-72(Recommended)	SUS316	1
	3GT PP-0410-A	DRYER SCRUBBER BOT	80x50FSM	RK17872-06	1/2	1	CIFS-3077	IST-1405-72(Recommended)	SUS316	1
	3GT PP-0410-B	DRYER SCRUBBER BOT	80x50FSM	RK17872-06	2/2	1	CIFS-3077	IST-1405-72(Recommended)	SUS316	1
P3	3GT PP-0901-A	WASTE SOLVENT FEED	100x80FSM	RK17872-09	1/2	1	CIFS-3077	IST-1405-72(Recommended)	SUS316	1
	3GT PP-0901-B	WASTE SOLVENT FEED	100x80FSM	RK17872-09	2/2	1	CIFS-3077	IST-1405-72(Recommended)	SUS316	1
	3GT TP-0509	RESIDUE CIRCULATION	40x25FSM	RK17871-07	1/1	1	CIFS-3076	IST-1305-72	SUS316	1
P4	2GT P-0101-A	DISSOLVER FEED B00	100x80FSM	RES0215-01	1/2	1	CIFS-3077	IST-1405-72	SUS316	1
	2GT TP-0505-A	RESIDUE CENTRIFUGE	80x50FSM	RK17871-06	1/2	1	CIFS-3077	IST-1405-72	SUS316	1
	3GT TP-0505-B	RESIDUE CENTRIFUGE	80x50FSM	RK17871-06	2/2	1	CIFS-3077	IST-1405-72	SUS316	1
P5	3GT TP-0301-B	MOTHER LIQUOR TRUN	100x80FSM	RK17871-05	1/1	1	CIFS-3078	IST-1505A-73	SUS316	1
	3GT PP-0304-B	CENTRIFUGE FEED PUMP	150x100FSM	RK17871-09	1/2	1	CIFS-3079	IST-1505B-73	SUS316	1
	3GT PP-0402-A	RVF FEED PUMP	150x100FSM	RK17871-09	2/2	1	CIFS-3079	IST-1505B-73	SUS316	1
	PP-0402-B	RVF FEED PUMP	150x100FSM				CIFS-3079	IST-1505B-73	SUS316	1

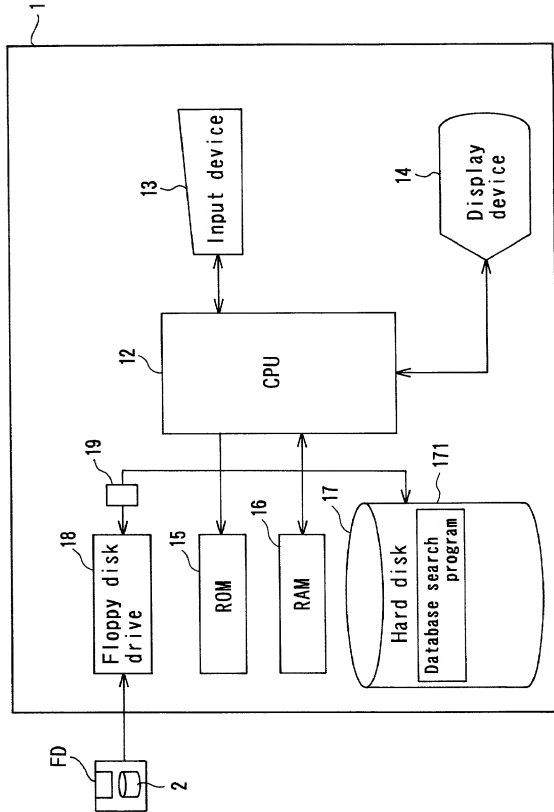
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FIG. 4

Plant name	Equipment number	Pump name	Size/model	Serial number	Numbering of the pump	Part code	Part name	Material of the part	Number of the parts	Control number	Amount in stock
IGT	P-0502-A	LOW PRESSURE FLUSE	100x80 IFM	R080056-02	1/2	C101-2413	Impeller 100x80-25NC	SS313	1		
IGT	P-0502-B	LOW PRESSURE FLUSE	100x80 IFM	R080056-02	2/2	C101-2413	Impeller 100x80-25NC	SS313	1		
IGT	P-0910-A	WASTE SOLVENT BUFF	80x50LLSM	R690520-03	1/2	C103-2043	Impeller 80x50S 18	SS314	1		
IGT	P-0910-B	WASTE SOLVENT BUFF	80x50LLSM	R690520-03	2/2	C103-2043	Impeller 80x50S 18	SS314	1		
IGT	P-0910-C	WASTE SOLVENT BUFF	80x50LLSM	R690459	1/1	C103-2043	Impeller 80x50S 18	SS314	1		
IGT	P-1336-A	FW BOOSTER PUMP	80x50 IFM	R660259	1/1	C101-2157	Impeller 80x50-20 NC	FD0400	1		
IGT	P-1336-B	FW BOOSTER PUMP	80x50 IFM	R671341	1/1	C101-2157	Impeller 80x50-20 NC	FD0400	1		
IPET	P-4011-A	FW CIRCULATION PUMP	50x40 IFM	R018774-01	1/2	C101-2403	Impeller 50x40-20 NC	SS313	1		
IPET	P-4011-B	FW CIRCULATION PUMP	50x40 IFM	R018774-01	2/2	C101-2403	Impeller 50x40-20 NC	SS313	1		
IPET	P-0921-A	FW CIRCULATION PUMP	150x100 IFM	R018774-02	1/2	C101-2115	Impeller 150x100-16X NC	FC200	1		
IPET	P-0921-B	FW CIRCULATION PUMP	150x100 IFM	R018774-02	2/2	C101-2115	Impeller 150x100-16X NC	FC200	1		
IPET	P-0931	CONDENSATE PUMP	40x25 IFM	R018774-03	1/1	C101-2941	Impeller 40x25-16 NC	SS313	1		
IPET	P-0941-A	WASTE WATER PUMP	40x25 IFM	R018774-04	1/2	C101-2941	Impeller 40x25-16 NC	SS313	1		
IPET	P-0941-B	WASTE WATER PUMP	40x25 IFM	R018774-05	1/1	C101-2941	Impeller 40x25-16 NC	SS313	1		
IPET	P-0101-A	DISSOLVER FEED 800	100x80 IF-SM	RE80215-01	1/2	C101-2101	Impeller 100x80-25 NC	FC200	1		
ZGT	P-0101-B	DISSOLVER FEED 800	100x80 IF-SM	RE80215-01	2/2	C101-2101	Impeller 100x80-25 NC	SS314	1		
		FW BOOSTER PUMP	100x80 IFM	RE80215-02	1/2	C101-2382	Impeller 100x80-20 NC	SS314	1		
			40x40 IFM	RE80215-03	1/1	C101-2382	Impeller 40x40-20 NC	SS314	1		
				RE80097-01	1/1	C101-2406	Impeller 100x80-20 NC	SS314	1		
					1/2						

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FIG. 5



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F / G. 6

System for searching parts used in pumps

- 1 Searching for a part code and a control number

Plant name	AAA	101
Equipment number	PU-114A	102
Part name	impeller	▼

Search 106

110

Search result

Part code	Part name	Material	Number of the parts	Control number	Amount in stock
C1C01-2945	Impeller 40x25 20 NC	SGS14	1	AA-11	

- 2 Searching for pumps including a common part

Part code	C1C01-2945	104
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Search 107

Control number	AA-11	105
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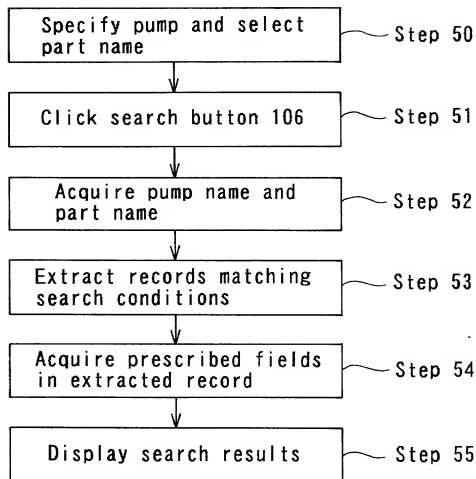
Search 108

- 3 Create a table showing all components of a pump

Create a table showing all components of a pump	109
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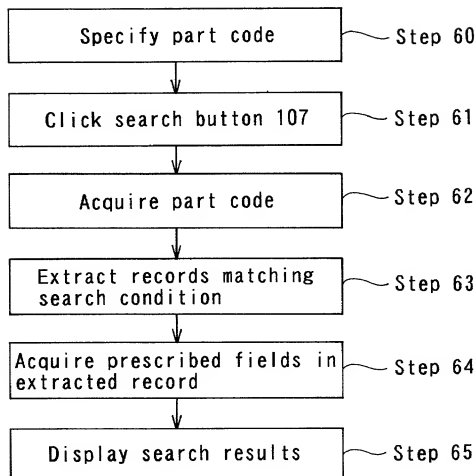
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FIG. 7



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FIG. 8



[illegible]

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FIG. 10

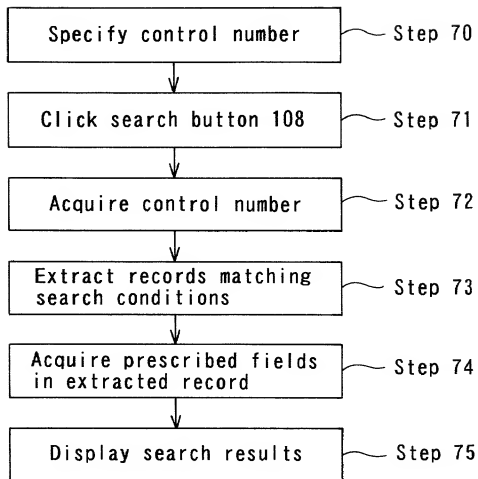


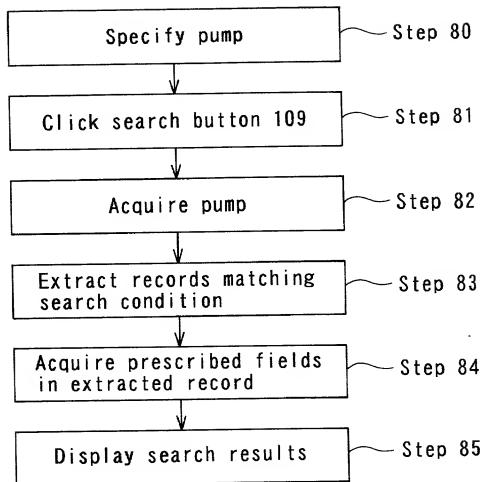
FIG. 11

Part name	Impeller
Part code	
Control number	AA-111

[illegible]

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FIG. 12



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FIG. 13

Table of all components of the pump for after-sales service

Plant name	AAA
Equipment number	PU-114A
Size/model	40X25IFWH
Serial number	QK659287
Numbering of the pump	1/2

Part name	Part code	Part name	Material of the part	Number of the parts	Control number	Amount in stock
Impeller	CIS01-2945	Impeller40X25 20 NC	SCS14	1	AAA-111	
Shaft	CIS01-3451	IST-130 63NC	SUS316	1		
Impeller nut	CIS71-4211	LOT-116	SUS316	1		
Set screw	SCNS-C301	CNS-M5X11	SUS316	1		
Case wearing ring 1	SLV-C236	LY-76	SUS316	1		
Case wearing ring 2	CIS81-4042	LYN-108	SUS316	1		
O-ring for mechanical cover	S0G06-1271	O-ring G55	TEFLON	1		
Shaft sleeve	CIS31-3441	ISLU-135	SUS316	1		
Recommended shaft sleeve	CIS11-3161 (Recommended)	ISLB-135	SUS316	1		
Mechanical seal	CIS41-4602	135-MU EAT	SUS316	1		
Recommended mechanical seal	CIS72-40741 (Recommended)	135-MB-TG	SiC/C	1		
Radial bearing	SG6-6306	Ball bearing #6306	STD	1		
Thrust bearing	SB6-6306	Ball bearing #6306	STD	1		
Oil seal	SSLO-Q211	SB30X42X8	STD	2		
Body gasket	CIS41-0663	CSPK-224X240X1	V#6500A0	1		
Sleeve packing	CIS71-4107	ISLPK-22X29X1	V#7010-2	1		
Recommended mechanical cover	CIS61-4231 (Recommended)	MBQ-135	SUS316	1		

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FIG. 14

